

said pole housing (10) including an end shield (43), a motor bearing (45) for the rotor (20), and at least one magnet (32) and a short-circuit element (36), and

a one- or multi-part gear housing (5), connected to said pole housing (10),

said pole housing (10) being in one piece with at least one part of said gear housing (5).

19. The electric drive unit of claim 18, wherein

the pole housing (10) is formed at least partly of plastic.

20. The electric drive unit of claim 18, wherein

the at least one magnet (32) is injected at least partly into the pole housing (10).

21. The electric drive unit of claim 18, wherein

the short-circuit element (36) forming a short circuit for the at least one magnet (32) is injected at least partly into the pole housing (10).

22. The electric drive unit of claim 18, wherein

the short-circuit element (36) comprises at least two shells.

23. The electric drive unit of claim 18, wherein

the short-circuit element (36) is embodied in one piece.

24. The electric drive unit of claim 18, wherein

the short-circuit element (36), comprising a mixture of plastic and magnetically conducted material, is injected into the pole housing (10).

25. The electric drive unit of claim 21, wherein

the short-circuit element (36) has a protrusion (65), which is surrounded by the plastic comprising the pole housing (10).

26. The electric drive unit of claim 18, wherein

the at least one magnet (32) has a protrusion (60) that is surrounded by the plastic comprising the pole housing (10).

27. The electric drive unit of claim 18, wherein

in the pole housing (10), the at least one magnet (32) is secured by positive engagement in the plastic of the pole housing (10) and by nonpositive engagement of the short-circuit element (36) located radially outward.

28. The electric drive unit of claim 18, wherein

in the pole housing (10), the short-circuit element (36) is secured by positive engagement in the plastic of the pole housing (10) and by nonpositive engagement of the radially inner magnet (32).

29. The electric drive unit of claim 18, wherein

the end shield (43) is embodied in one piece with the motor bearing (45),

and

the end shield (43) is insertable into the pole housing (10).

30. The electric drive unit of claim 18, wherein

the rotor (20) has an axial longitudinal axis (30), and

the end shield (43) for the rotor (20) is disposed, axially positionably, on the pole housing in order to adjust the longitudinal play of the armature.

31. The electric drive unit of claim 30, wherein

the end shield (43) is secured to the pole housing (10) by adhesive bonding.

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32. The electric drive unit of claim 30, wherein

the end shield (43) is secured to the pole housing (10) by ultrasonic welding.

33. The electric drive unit of claim 30, wherein

the end shield (43) is secured to the pole housing (10) by a heat treatment.

34. The electric drive unit of claim 18, wherein

the shaft (28) is supported, oriented toward the gear housing (5), in an armature bearing (48) which is injected into the plastic of the pole housing (10).

35. The electric drive unit of claim 19, wherein

the at least one magnet (32) is injected at least partly into the pole housing (10).

36. The electric drive unit of claim 35, wherein

the short-circuit element (36) forming a short circuit for the at least one magnet (32) is injected at least partly into the pole housing (10).

37. The electric drive unit of claim 35, wherein

the short-circuit element (36) comprises at least two shells.

38. The electric drive unit of claim 36, wherein

the short-circuit element (36) is embodied in one piece.

39. The electric drive unit of claim 19, wherein

the short-circuit element (36), comprising a mixture of plastic and magnetically conducted material, is injected into the pole housing (10).

40. The electric drive unit of claim 20, wherein

the at least one magnet (32) has a protrusion (60) that is surrounded by the plastic comprising the pole housing (10).

41. The electric drive unit of claim 19, wherein

in the pole housing (10), the at least one magnet (32) is secured by positive engagement in the plastic of the pole housing (10) and by nonpositive engagement of the short-circuit element (36) located radially outward.

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42. The electric drive unit of claim 19, wherein

in the pole housing (10), the short-circuit element (36) is secured by positive engagement in the plastic of the pole housing (10) and by nonpositive engagement of the radially inner magnet (32).

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IN THE ABSTRACT

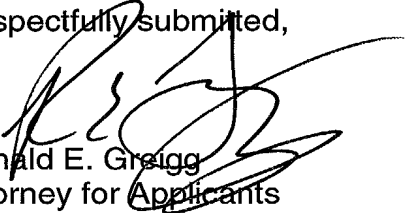
Please substitute the attached Abstract of the Disclosure for the original abstract as filed.

REMARKS

The above amendments are being made to place the application in better condition for examination.

Entry of the amendment is respectfully solicited.

Respectfully submitted,


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